

work and IX
to OL 4/28/59

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PROPOSAL
FOR THE
CAPSULE STUDY

8 April 1959

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INTRODUCTION

Under RD 45, Research Order #24, this company undertook the developmental production of 1000 cans of Mk II AC Delays. Since that time extensive tests have been performed on approximately 700 of these units, and of recent date, an inspection was made on the unused capsules from these units. It was found that 4 - 5% of the capsules were leaking solvent and would, therefore, be unreliable under test.

WORK PLAN

At the Project Officer's request, this company proposes to undertake a study of the capsule with a view of changing to a plastic such as Kel-F which in production could be accurately molded. After reviewing the suitable materials, a limited number of capsules will be machined, filled with solvent, sealed (this phase will require largely developing the correct techniques) and tested at elevated temperatures. Finally, any units passing the tests will be destructively tested in a Mk II unit that has been appropriately modified to permit proper puncturing of the capsule.

SCOPE

It is proposed to employ the part-time services of one engineer and one technician for a period of six months. In addition to routine monthly progress reports, a final technical report will be submitted together with suitable photographic data.

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50 hrs. Engineering Labor @ \$4.50	\$ 225.00
200 hrs. " " @ \$3.00	600.00
50 hrs. Shop Labor @ \$2.50	<u>125.00</u>
Sub Total I	\$ 950.00
Overhead @ 120%	<u>1,140.00</u>
Sub Total II	\$2,090.00
Materials & Purchased Parts	350.00
Tools, Jigs, & Fixtures	<u>100.00</u>
Sub Total III	\$2,540.00
G & A @ 7%	<u>178.00</u>
Sub Total IV	\$2,718.00
Fee @ 8%	<u>217.00</u>
Total	\$2,935.00

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